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Modicon Programmable Logic Controllers Designs For Industrial Process Controls

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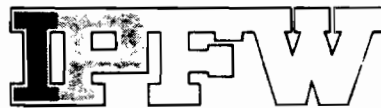
for

Modicon Programmable Logic Controllers
designs For Industrial Process Controls

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



presented to the

ELECTRICAL ENGINEERING TECHNOLOGY FACULTY

INDIANA UNIVERSITY-PURDUE UNIVERSITY AT FORT WAYNE

Fall 1995
date

by

John Schmitt

GRADE: _____

APPROVED: _____

Abstract

This document serves as a quick reference manual and as an EET Senior Design Project Report. It presents technical data explaining the design and construction of IPFW's three Compact 984 PLC stations and provides information explaining how to use and modify the compact control stations through detailed wiring schematics.

A BM85 Bridge Multiplexer is used to interface three Compact 984 control stations into a Modbus Plus network using three communication protocols, Modbus (RS232), Modbus Plus, and Parent/Child (RS485). IPFW is now equipped with a complete operating Modicon Network System. Programming examples are provided that simulate communications across this network and may be found in Appendixes A and B.

For future technical assistance a list of technical support and third party Modicon supplier phone numbers are provided.

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